

**NEW APPLICATION TRANSMITTAL**

Mail Stop Patent Application  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on *August 6, 2003* under "EXPRESS MAIL" mailing label number EV 333283594 US.

*Elizabeth A. VanAntwerp*  
 Elizabeth A. VanAntwerp

Transmitted herewith for filing is the patent application of:

Inventor 1: Tatsuo KAWAGUCHI  
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 Address: c/o NGK Insulators, Ltd.  
 2-56, Suda-Cho, Mizuho-Ku  
 Nagoya-City, Aichi-Prefecture 467-8530 Japan

**Title: PIEZOELECTRIC ACTUATOR ARRAY AND MANUFACTURING METHOD****1. Papers enclosed****A. Required for filing date under 37 CFR 1.53(b) (Regular) are:**

85 Page(s) of Specification  
9 Page(s) of Claims  
1 Page(s) of Abstract  
18 Sheets of Formal Drawings (Figs. 1(a)-20(b))

**B. Other Papers Enclosed**

- A Patent Application Bibliographic Data Sheet
- A combined Declaration and Power of Attorney
- A Submission of Certified Copies of Priority Documents and certified copies of:

<u>Country</u>	<u>Application Number</u>	<u>Filing Date</u>
Japan	2002-230101	August 7, 2002
Japan	2002-355633	December 6, 2002
Japan	2003-174077	June 18, 2003

- An Information Disclosure Statement
- PTO Form-1449
- An Assignment Transmittal and Assignment of the invention to:

NGK Insulators, Ltd.  
 2-56, Suda-Cho, Mizuho-Ku  
 Nagoya-City, Aichi-Prefecture 467-8530  
 Japan

03943 U.S. PTO  
 10/635408  
 06/06/03



**2. The correspondence address for this application is:** Customer No. 025191

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**3. Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i)**

- [ ] Applicants hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.
- [ ] Applicants hereby request that the attached application **not** be published under 35 U.S.C. 122(b).

**4. Amend the specification by inserting, after the title and before the first line, the paragraph:**

--This application claims the benefit of Japanese Application 2002-230101, filed August 7, 2002, Japanese Application 2002-355633, filed December 6, 2002, and Japanese Application 2003-174077, filed June 18, 2003, the entireties of which are incorporated herein by reference.--

**5. The filing fee has been calculated as shown below:**

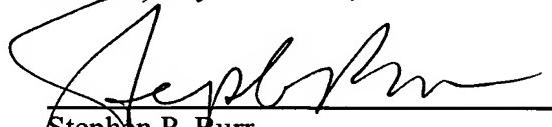
<b>Basic Filing fee (37 CFR §1.16(a))</b>				\$ 750.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims	17 - 20 =	0	× \$ 18.00	
Independent Claims	8 - 3 =	5	× \$ 84.00	\$ 420.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$280.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1,170.00
[ ] Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				
<b>SUBTOTAL =</b>				\$ 1,170.00
[ ] Fee for processing an application filed with a specification in a non-English language (37 C.F.R. 1.17(i) and 1.52(d)--\$130.00)				
[x] Assignment Fee (37 CFR §1.21(h)--\$40.00)				\$ 40.00
<b>TOTAL FEES DUE =</b>				\$ 1,210.00

01576 U.S. PTO  
03/09/00

**6. Payment of Fees and Authorization to Charge Additional Fees or Credit Overpayment**

- A check in the amount of \$1,210.00 is enclosed.
- The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-1446. A duplicate copy of this sheet is enclosed.
- Any additional filing fees required under 37 CFR 1.16.
- Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,



Stephen P. Burr  
Reg. No. 32,970

August 6, 2003

Date

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